

PAR, Daily Light Integral, & Photoperiod Meters

Spot check PPFD/ePPFD and record DLI and photoperiod

NEW!



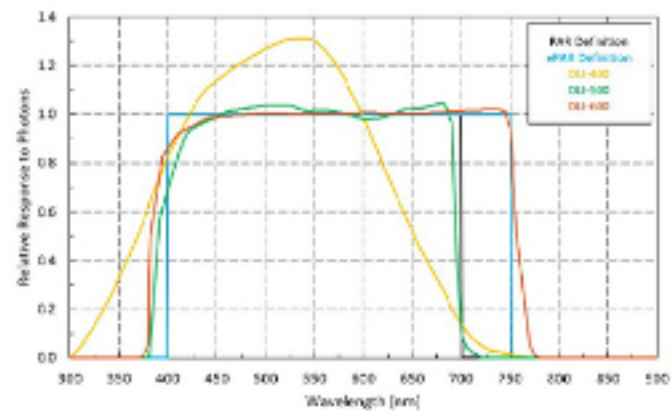
Great for spot checking PAR levels and tracking DLI and photoperiod!

Overview

New for 2022, Apogee DLI meters are a rugged, simple-to-use device for spot checking PAR or ePAR levels while automatically recording the daily light integral and hours of light (photoperiod) for up to 99 days. The data can be viewed on-screen by toggling the button or by downloading via the included USB-C cable.

Three Models

- **DLI-400:** Lowest-cost option is accurate for measuring 400-700 nm only in sunlight and under some broadband light sources.
- **DLI-500:** Full-spectrum is accurate for measuring 400-700 nm under all light sources including LEDs.
- **DLI-600:** ePAR is accurate for measuring the newly discovered extended PAR (ePAR) 400-750 nm range under all light sources.



Spectral Range

The spectral responses of DLI-400 (yellow), DLI-500 (green), and DLI-600 (orange) can be seen in the graph.



	DLI-400	DLI-500	DLI-600
Calibration Uncertainty	± 5 %		
Measurement Repeatability	Less than 0.5 %		
Display Range	0 to 4000 $\mu\text{mol m}^{-2} \text{s}^{-1}$		
Long-term Drift	Less than 2 % per year		
Field of View	180°		
Spectral Measurement Range (± 5 nm)	370 to 650 nm (sunlight only)	389 to 692 nm	383 to 757 nm
Directional (Cosine) Response	± 5 % at 75° zenith angle		
Temperature Response	-0.04 % per C	-0.11 ± 0.04 % per C	
Response Time	2.5 seconds		
Data Log Capacity	99 days (DLI & Photoperiod), 10 days (30 min PPFD/ePPFD averages)		
Non-linearity	Less than 1 % (up to 2500 $\mu\text{mol m}^{-2} \text{s}^{-1}$)	Less than 1 % (up to 4000 $\mu\text{mol m}^{-2} \text{s}^{-1}$)	
Stored Data Resolution (PPFD/ePPFD)	0.1 $\mu\text{mol m}^{-2} \text{s}^{-1}$ (when ≥ 1000 , the screen will not display the decimal)		
Stored Data Resolution (DLI)	0.1 $\text{mol m}^{-2} \text{day}^{-1}$		
Stored Data Resolution (Photoperiod)	0.1 hours		
Operating Environment	-10 to 60 C; 0 to 100 % relative humidity	-40 to 70 C; 0 to 100 % relative humidity	
IP Rating	IP65		
Dimensions	1.91 W x 2.31 H x 0.93 D (inches)		
Mass	67 g		
Warranty	4 years against defects in materials and workmanship		